



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
18.01.2012 Bulletin 2012/03

(51) Int Cl.:
H01R 13/506 ^(2006.01) **H01R 13/627** ^(2006.01)
H01R 13/658 ^(2011.01)

(43) Date of publication A2:
11.03.2009 Bulletin 2009/11

(21) Application number: **08163487.5**

(22) Date of filing: **02.09.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(72) Inventors:
• **Sato, Takeshi**
Tokyo 152-8520 (JP)
• **Kawano, Taku**
Tokyo 152-8520 (JP)

(30) Priority: **06.09.2007 JP 2007231337**

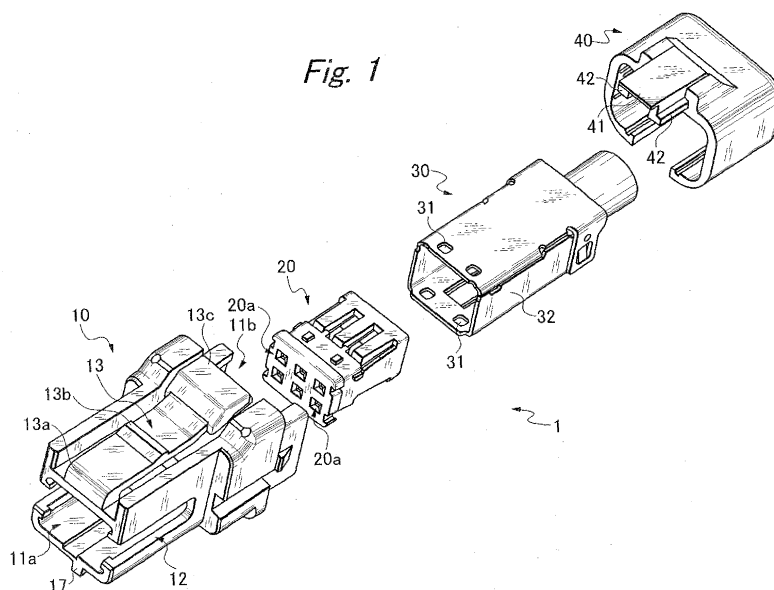
(74) Representative: **Vossius & Partner**
Siebertstrasse 4
81675 München (DE)

(71) Applicant: **HONDA TSUSHIN KOGYO Co., Ltd.**
Tokyo 152-8520 (JP)

(54) **Mold case attached with retainer**

(57) To prevent from being destructed by an external force in a retainer attached mold case of a plug connector (1) including an insulating member (20) having aligned containing holes (20a) containing contacts, a shield case (30) surrounding around the insulating member, a substantially cylindrical mold case (10) incorporating these therein and having slits (12, 12) for grounding at two side walls thereof and an elastic claw (13) with a lock portion

(13b) and a lock release portion (13c) at an upper face, and a retainer (40) for closing a rear end opening (11b) of the mold case excluding a cable inserting portion, a locking projection (15a) is projected to a rear side from a rear end portion of the elastic claw (13), and a float preventing piece (41) for preventing the elastic claw from being floated up by engaging with the locking projection (15a) is projected from a front end portion of the retainer (40).





EUROPEAN SEARCH REPORT

Application Number
EP 08 16 3487

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	US 2003/060084 A1 (AOKI HIROSHI [JP]) 27 March 2003 (2003-03-27)	1	INV. H01R13/506 H01R13/627 ADD. H01R13/658
A	* paragraphs [0038], [0040], [0048] - [0052] * * figures 1,2,4 *	2	
Y	JP 2007 073288 A (HONDA TSUSHIN KOGYO CO LTD) 22 March 2007 (2007-03-22)	1	
A	* figures *	3	
Y	US 5 641 300 A (CORRION WESLEY RICHARD [US]) 24 June 1997 (1997-06-24)	1	
A	* column 3, line 57 - column 4, line 3 * * column 4, lines 31-64 * * figures 1-5 *	1	
A	US 2003/059168 A1 (CONNELLY JOHN M [US] ET AL) 27 March 2003 (2003-03-27)	1	TECHNICAL FIELDS SEARCHED (IPC) H01R
A	DE 20 2004 019870 U1 (KOVACS TIBOR [DE]) 24 February 2005 (2005-02-24)	1	
A	* paragraphs [0014], [0015] * * figures 1-4 *	1	
A	US 6 322 386 B1 (THARP KEITH FRANKLIN [US] ET AL) 27 November 2001 (2001-11-27)	1	
	* column 2, line 46 - column 4, line 54 * * figures 1-5 *		
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 12 December 2011	Examiner Ledoux, Serge
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

 4
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 16 3487

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-12-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003060084 A1	27-03-2003	GB 2380071 A	26-03-2003
		JP 2003100399 A	04-04-2003
		US 2003060084 A1	27-03-2003

JP 2007073288 A	22-03-2007	CN 1929212 A	14-03-2007
		JP 4541999 B2	08-09-2010
		JP 2007073288 A	22-03-2007

US 5641300 A	24-06-1997	NONE	

US 2003059168 A1	27-03-2003	CN 1311448 A	05-09-2001
		DE 60112140 D1	01-09-2005
		DE 60112140 T2	08-06-2006
		EP 1122566 A2	08-08-2001
		JP 2001264584 A	26-09-2001
		US 6511230 B1	28-01-2003
		US 2003059168 A1	27-03-2003

DE 202004019870 U1	24-02-2005	NONE	

US 6322386 B1	27-11-2001	NONE	
